

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
30 June 2005 (30.06.2005)

PCT

(10) International Publication Number
WO 2005/059501 A1

- (51) International Patent Classification⁷: **G01M 11/06**, B60Q 1/10, 1/12, 11/00
- (21) International Application Number:
PCT/JP2004/019139
- (22) International Filing Date:
15 December 2004 (15.12.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
2003-418640 16 December 2003 (16.12.2003) JP
- (71) Applicant (for all designated States except US): **HONDA MOTOR CO., LTD.** [JP/JP]; 1-1, Minamiaoyama 2-chome, Minato-ku, Tokyo 107-8556 (JP).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **TOOYAMA, Tadashi** [JP/JP]; c/o Honda Motor Co., Ltd., Saitama Plant, 10-1, Shinsayama 1-chome, Sayama-shi,, Saitama 350-1392 (JP).
- (74) Agents: **SHIMODA, Yo-ichiro** et al.; Meisan Tameike Bldg., 1-12, Akasaka 1-chome, Minato-ku, Tokyo 107-0052 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: OPERATION CHECKING MEHOD FOR ADAPTIVE FRONT LIGHTING SYSTEM

(57) Abstract: An operation checking method for an adaptive front lighting system (AFS), which is applicable to on-line automobile inspections, is disclosed. An operation checking program prepared to activate the AFS in a manner to perform its prescribed headlamp illumination redirecting function is stored in advance in an in-vehicle ECU (15). While a finished vehicle (10) remains stationary at an inspection zone of an automobile production and assembly line, the operation checking program is executed. During a run-time of the program, an inspection is performed to determine whether the headlamp illumination has been redirected by the AFS in leftward, rightward, downward and upward directions in a predetermined sequence as specified by the operation checking program.

WO 2005/059501 A1